



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 19] नई दिल्ली, शनिवार, मई 12, 1990. (वैशाख 22, 1912)
No. 19] NEW DELHI, SATURDAY, MAY 12, 1990 (VAISAKHA 22, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 12th May 1990

ADDRESS AND JURISDICTION OF OFFICES OF
THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor, Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh,
and the Union Territories of Goa, Daman and Diu and
Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and
Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union
Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1—57 GI/90

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamil-
Nadu, and the Union Territories of Pondicherry, Laccadive,
Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.
Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or
any fees required by the Patents Act, 1970 or the Patents
Rules, 1972 will be received only at the appropriate Offices
of the Patent Office.

Fees :—The fees may either be paid in cash or may be
sent by Money Order or Postal Order, payable to the Con-
troller at the appropriate Offices or by bank draft or cheque,
payable to the Controller drawn on a scheduled bank at the
place where the appropriate office is situated.

पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 12 मई 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, विल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जिन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा,
टोर्डी इस्टेट,
तीसरा तल, लोअर पररेल (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोवा, दमन तथा दिव
एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा-तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र
चंडीगढ़ तथा विल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,

61, बालाबाहू रोड,

मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तामिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी,
लक्षद्वीप, मिनीकाय तथा
एमिनिदिवि द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंटोफिस” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अर्पित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय की केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे ।

शुल्क :—शुल्कों की अवायगी या तो नकद की जायेगी अथवा
डाक आवेदन या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा चेक द्वारा की जा सकती है ।

ALTERATION OF AN ENTRY IN THE REGISTER OF PATENT AGENTS UNDER RULE 103 OF THE PATENTS RULES, 1972

In pursuance of an application on form 52 the address of
principal place of business of Shri R. V. Pai has been altered
to :

4 D, Mayurbhanj Apartments,
2, Mayurbhanj Road,
Calcutta-700 023,
West Bengal, India.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed Under Section 135, of the Patents Act, 1970.

The 28th March 1990

250/Cal/90. Johnson & Johnson Medical, Inc. Improved
filtration medium and face mask containing the same.

251/Cal/90. Johnson & Johnson Medical, Inc. Electrostatically
charged face mask and method for making
the same.

252/Cal/90. E. I. Du Pont De Nemours And Company.
Stitchbonded nonwoven fabric.

253/Cal/90. Bayerische Motoren Werke Aktiengesellschaft.
Rear-Wheel drive for an automobile, in particular
motor byke.

254/Cal/90. Hoechst A. G. Process for the preparation
of water-soluble coloured compounds. [Divisional
dated 2nd December, 1987].

255/Cal/90. Dixie Chemical Company. Process for preparing
chlorofluorocarbons via an in situ generated
activated aluminum trihalide catalyst and products
resulting therefrom.

The 29th March 1990

256/Cal/90. Phillips Petroleum Company. Process and
apparatus for separating liquids in alkylation set-
tler.

257/Cal/90. Eaton Corporation. Improved transmission
mainshaft gear retainer.

258/Cal/90. Westinghouse Electric Corporation. Improve-
ments in or relating to two piece cradle lath,
handle barrier locking insert and cover interlock
for circuit breaker.

The 30th March 1990

- 259/Cal/90. Himont Incorporated. Polyolefins suitable for spinning and thermoweldable fibres obtained from them.
- 260/Cal/90. Himont Incorporated. Functionalized polymers from metallated crystalline copolymers of olefins with dienes and process for preparing same.
- 261/Cal/90. Stopping Aktiengesellschaft. Sliding gate valve at the outlet of a vessel containing in particular, metal melt and associated refractory valve members.
- 262/Cal/90. (1) Veb Schwermaschinenbau "Karl Liebknecht" Magdeburg (2) Technische Hochschule Zwickau. Method for the operation of a combustion machine.
- 263/Cal/90. Yaroslavsky Mezhotraslevoi Nauchno-Tekhnichesky Tsentr. Device for treatment of sinusitis.
- 264/Cal/90. Concast Standard AG. Arc-type plant for continuously casting steel strips with an oscillatory continuous casting mould.
- 265/Cal/90. Metallgesellschaft Aktiengesellschaft. Process and apparatus for concentrating a liquid which contains sulfuric acid and water.
- 266/Cal/90. Metallgesellschaft Aktiengesellschaft. A dedusting electrostatic precipitator for a horizontal flow of gas.
- 267/Cal/90. JAE Woon Kem. Improved fire-resistant material and process of producing same. [Divisional dated on 3rd June, 1987].

The 2nd April 1990

- 268/Cal/90. Dr. Sitesh Chandra Roy. Improvement in or relating to briefs underwears or the like.
- 269/Cal/90. Critikon Inc. Catheter with needle guard.
- 270/Cal/90. E. I. Du Pont De Nemours and Company. A process for producing Dimethylamine. [Divisional dated 22nd June, 1987].
- 271/Cal/90. Kabushiki Kaisha Havashibara Seibutsu Karaku Kenkyujo. Crystalline 2-O- α -D-Glucopyranosyl-L-Ascorbic acid, and its preparation and used.
- 272/Cal/90. BTC Biotechnik International GmbH. Phytosanitary agent and process for producing the same.

The 3rd April 1990

- 273/Cal/90. Stereovision International S.R.L. Universal Steroscopic Viewer based on a new principle of optical convergence.
- 274/Cal/90. PPG Industries, Inc. Method of melting glass to as to suppress presence of nickel sulfide stone.
- 275/Cal/90. Hitachi Construction Machinery Co. Ltd. Hydraulic drive travelling system.
- 276/Cal/90. Swapan Kumar Chattopadhyay. Improvements in or relating to basic gunning material.
- 277/Cal/90. Swapan Kumar Chattopadhyay. Improvements in or relating to siliceous gunning material.
- 278/Cal/90. Swapan Kumar Chattopadhyay. Improvements in or relating to a device for scraping.
- 279/Cal/90. Punya Brata Chaudhuri. Domestic cooking system utilising solar heat, with in-built heat storage arrangement.

The 4th April 1990

- 280/Cal/90. Injectall Ltd. A passage classing element for installation in an injection nozzle for injecting substances into molten metal. [Divisional dated 3rd July, 1987].

281/Cal/90. Candela Laser Corporation and Massachusetts General Hospital. Non-Invasive sclerostomy laser apparatus and method.

The 5th April 1990

- 282/Cal/90. Neyrpic Framatome Mecanique. Device for driving in rotation a structure of large diameter, particularly an antenna.
- 283/Cal/90. Wilhelm Schafer Maschinenbau GmbH & Co. An apparatus for bending pipes or the like.
- 284/Cal/90. American National Can Company. Container seal testing method and system and testable container structure.
- 285/Cal/90. Kasei Optimix, Ltd. Improvement in or relating to a process for preparation of a luminescent phosphor composition. [Divisional dated 15th December, 1986].
- 286/Cal/90. D. Swarovski & Co. A storage strip for gems or other small pieces.

The 6th April 1990

- 287/Cal/90. Swapan Kumar Chattopadhyay. Improvements in or relating to gunnitting systems and parts thereof.
- 288/Cal/90. E. I. Du Pont De Nemours and Company. Oriented, shaped articles of pulpable para-aramid/meta-aramid blends.
- 289/Cal/90. Clarence Sexton Freeman. Communication cable including composition for protecting the wires thereof from damage by invasive water.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 12th March 1990

- 56/Bom/90. Kaushik Veermani Pandit. Laya Pandit, for the scientific timings in singing, dancing or playing instruments which shown by the percussion instruments THE TABLA.
- 57/Bom/90. Kaushik Veermani Pandit. A pocket stove.
- 58/Bom/90. Kaushik Veermani Pandit. A hearing aid.
- 59/Bom/90. Kaushik Veermani Pandit. Fly destroyer.

The 16th March 1990

- 60/Bom/90. Vinay Shantilal Mutha. Improved Bucket.

The 19th March 1990

- 61/Bom/90. Yeshwant Mohanlal Shah. Advertising media for displaying changeable publicity materials.

The 20th March 1990

- 62/Bom/90. Garware Wall Ropes Ltd. An improved rope for use on capstan drums, winches and the like and the method of manufacturing the said rope.
- 63/Bom/90. Anant Narayan Namioshi. Chimanlal Govindbhai Patel, Manubhai Bhailalbhai Patel, Shankar Ganesh Karandikar. A device for blending and pumping two or more phases of materials in different physical forms.

The 21st March 1990

- 64/Bom/90. Bayas Sulbha purthviraj. Folding aluminium chair.
- 65/Bom/90. Hindustan Lever Ltd. Detergent Compositions. 22nd March 89, Gr. Britain.
- 66/Bom/90. Hindustan Lever Ltd. Detergent Bar Manufacture. 22nd March 89, Gr. Britain.

OPPOSITION PROCEEDINGS

An Opposition has been entered by Southern Petrochemical Industries Corporation Limited, Madras to the grant of a patent on Application No. 165602 made by Dr. Parvatam Sivaprasad.

An Opposition has been entered by M/s. Union Carbide India Limited to grant of a Patent on Application No. 165433 (915/Del/85) 13-3-90 made by CSIR.

PATENT SEALED

162474 164070 164121 164222 164359 164364 164853
164860 164889 164892 164893 164973 165310 165311
165312 165313 165319 165320 165340.

CAL = 12.

MAS = 3.

DEL = 2.

BOM = 2.

ASSIGNMENT UNDER SECTION 69 OF THE PATENTS ACT, 1970

(1)

Patent No.(s) 156855

In pursuance of the Order of the Joint Controller dated 23-5-89 and in pursuance of an application received on the 30-12-88 Shri Ram Fuel Pvt. Ltd., whose registered office at Uma Bhandar, Upper Bazar, Ranchi, India, is Registered as [Indian to Indian]/Licensee.

(2)

Patent No.(s) 156855

In pursuance of the Order of the Deputy Controller dated 16-6-89 and in pursuance of an application received on the 5-5-89 Baidyanath Chemical & Carbonation Co. Pvt. Ltd., of Jailhata Road, Daltonganj, Distt. Palamau-Bihar is Registered as [Indian to Indian]/Licensee.

(3)

Patent No.(s) 156677

In pursuance of the Order of the Deputy Controller dated 28-6-89 and in pursuance of an application received on the 29-5-89, Kay Seberg S. A., a joint Stock Company of France, of 54 Avenue Hoche, 75360 Paris, France, is Registered as proprietor.

(4)

Patent No.(s) 153200

In pursuance of the Order of the Deputy Controller dated 23-5-89 and in pursuance of an application received on the 9-3-89 Didier Engineering GmbH, a Company of the Federal Republic of Germany is, Registered as proprietor.

(5)

Patent No.(s) 154140

In pursuance of the Order of the Deputy Controller dated 9-6-89 and in pursuance of an application received on the 24-4-89, Cavaetto S.r.l., a Limited Liability Company of Italy of via Bonafido Stringher, 27,00198, Rome, Italy, is Registered on proprietor.

(6)

Patent No.(s) 161675

In pursuance of the Order of the Deputy Controller dated 6-6-89 and in pursuance of an application received on the 20-4-89 Limitorque Corporation, a corporation of U.S.A., of P.O. Box 11318, 5114, Loodau Road, Lynchburg, Virginia, U.S.A. is Registered as proprietor.

(7)

Patent No. 162670

In pursuance of the Order of the Deputy Controller dated 12-7-89 and in pursuance of an application received on the 23-5-89 De Smet Chemford Engineering Pvt. Ltd., an Indian Company of Apeejay Chambers, 5 Wallace Street Bombay-400004 is Registered as proprietor.

(8)

Patent No.(s) 156855

In pursuance of the Order of the Deputy Controller dated 18-7-89 and in pursuance of an application received on the 15-5-89 Shri Marooti (Special Smokeless Fuel) Industries Pvt. Ltd., an Indian Company of, Priyadarshini path P.O. Katras Garh-828113, Dhanbad, Bihar India, is Registered as [Indian to Indian]/Licensee.

(9)

Patent No.(s) 157532

In pursuance of the Order of the Joint Controller dated 22-5-89 and in pursuance of an application received on the 1-3-89 Sanderson (Forklifts) Ltd. of Craft Skegness, Lincolnshire, P.E. 24 4 RW, England, is Registered as proprietor.

(FORM 41)

(10)

PATENT NO(s) 153200

In pursuance of the Order of the Joint Controller dated 23-5-89 and in pursuance of an application received on the 9-3-89. The name of the patentee has been altered to "DSM AGRO BV".

RENEWAL FEES PAID

143936	145692	146093	146274	146424	147264	147418
147520	147728	147729	147814	148735	149389	150021
150081	150187	150490	150636	151207	151663	151794
151877	152078	152282	152349	152468	152649	152747
153311	154158	154210	154250	154271	154457	154896
155103	155348	155407	155631	155858	155961	156108
156321	156826	156920	157222	157635	157637	157654
158214	158215	158408	158409	158452	158541	158595
158643	158667	158724	158950	159036	159095	159121
159401	159487	159510	159599	159659	159661	159709
159843	160118	160306	160319	160362	160411	160501
160591	160599	161019	161039	161087	161048	161114
161301	161696	161715	161861	161865	161907	162186
162519	163046	163066	163075	163154	163407	163656
163697	164060	164122	164160	164194	164195	164286
164287	164288	164289	164371	164379	164380	164388
164396	164406	164409	164463	164467	164495	164532
164559	164617	164621	164711	164713	164741.	

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 162414 dated the 11-4-85 made by Gujarat Narmada Valley Fertilizer Company Limited on the 13-7-89 and notified in the Gazette of India, Part III, Section 2 dated the 2-12-89 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 146061 dated the 14th October 1977 made by Ato Chimie on the 4th August 1989 and notified in the Gazette of India, Part III, Section 2 dated the 6th January 1990 has been allowed and the Patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 162291 dated the 28th August 1986 made by Kumar Balram Bhatia on the 3rd July 1989 and notified in the Gazette of India, Part III, Section 2 dated the 2nd December 1989 has been allowed and the said Patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 156154 dated the 9th July 1982 made by Council of Scientific & Industrial Research on the 11th April 1989 and notified in the Gazette of India, Part III, Section 2 dated the 19th August 1989 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 158801 dated the 21st August 1984 made by Croll-Reynolds Engineering Co. Inc on the 27th June 1989 and notified in the Gazette of India, Part III, Section 2 dated the 7th October 1989 has been allowed and the said Patent restored.

(6)

Notice is hereby given that an application for restoration of Patent No. 152241 dated the 5th June 1979 made by Council of Scientific & Industrial Research on the 11th April 1989 and notified in the Gazette of India, Part III, Section 2 dated the 19th August 1989 has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of Patent No. 155887 dated the 16th April 1981 made by Council of Scientific and Industrial Research on the 11th April 1989 and notified in the Gazette of India, Part III, Section 2 dated the 19th August 1989 has been allowed and the said patent restored.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति से पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिये।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियां, भारत सरकार बक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिये।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियां की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सन्निश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है)। विनिर्देश का पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 में गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 72-B

166441

Int. Cl. : C 06 b 33/00.

A PROCESS FOR THE PREPARATION OF AN ULTRA-SENSITIVE BASE CHARGE FOR A DETONATOR FOR AN EXPLOSIVE COMPOSITION.

Applicant : ICI INDIA LIMITED OF 31 CHOWRINGHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA.

Inventors : 1. ARUN KUMAR CHATTOPADHYAY, 2. SOUMENDRA NATH SEN, 3. SRINIVASACHARY SESHAN, 4. NIRMAL SAMANTA, 5. KALI PRASANNA BHOWMIK.

Application No. 390/Cal/86 filed May 27, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for the preparation of an ultra-sensitive base charge for a detonator for an explosive composition which comprises adding to an aqueous dispersion of one or more

inorganic oxidiser salts such as herein described at a temperature of from 65°C to 90°C an amount of one or more transition metal salts such as herein described sufficient to provide within said solution a transition metal concentration of 0.1% to 10% based on the total weight of the solution, cooling said solution to reduce its temperature to ambient temperature, filtering the cooled solution and drying the filtrate.

Compl. specn. 13 pages

Drg. Nil

Provl. Compl. Specn. 9 pages

Drg. Nil

CLASS : 190-A

166442

Int. Cl. : F02c 6/00;
F01k 3/00.

A COMBINED GAS AND STEAM TURBINE POWER PLANT.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000 MÜNCHEN 2, WEST GERMANY.

Inventor : ULRICH SCHIFFERS.

Application No. 571/Cal/86 filed July 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A combined gas and steam turbine power plant comprising :

- a gas turbine unit (2);
- a steam turbine unit (3);

connected downstream of said gas turbine (2);

a coal gasifier (4) connected upstream of the gas turbine (2) with a heat exchanger (6) connected on the outlet side of the coal gasifier with a gas purification plant (7) connected on the outlet side of the heat exchanger unit;

a pure gas line (30) leading to the combustion chamber of the gas turbine from the gas purifier through said heat exchanger unit;

an air separation plant (5) connected upstream of the coal gasifier and having an oxygen compressor (48) and oxygen line (47) supplying oxygen to the coal gasifier and a nitrogen line (25) leading to the combustion chamber of the gas turbine through a nitrogen/air heat exchanger;

a nitrogen compressor (24) connected into the nitrogen line and an air condenser connected upstream of the air separation plant and the combustion chamber (17) of the gas turbine (2) characterized in that there are provided two air compressors (15, 19) through a common connecting line (18);

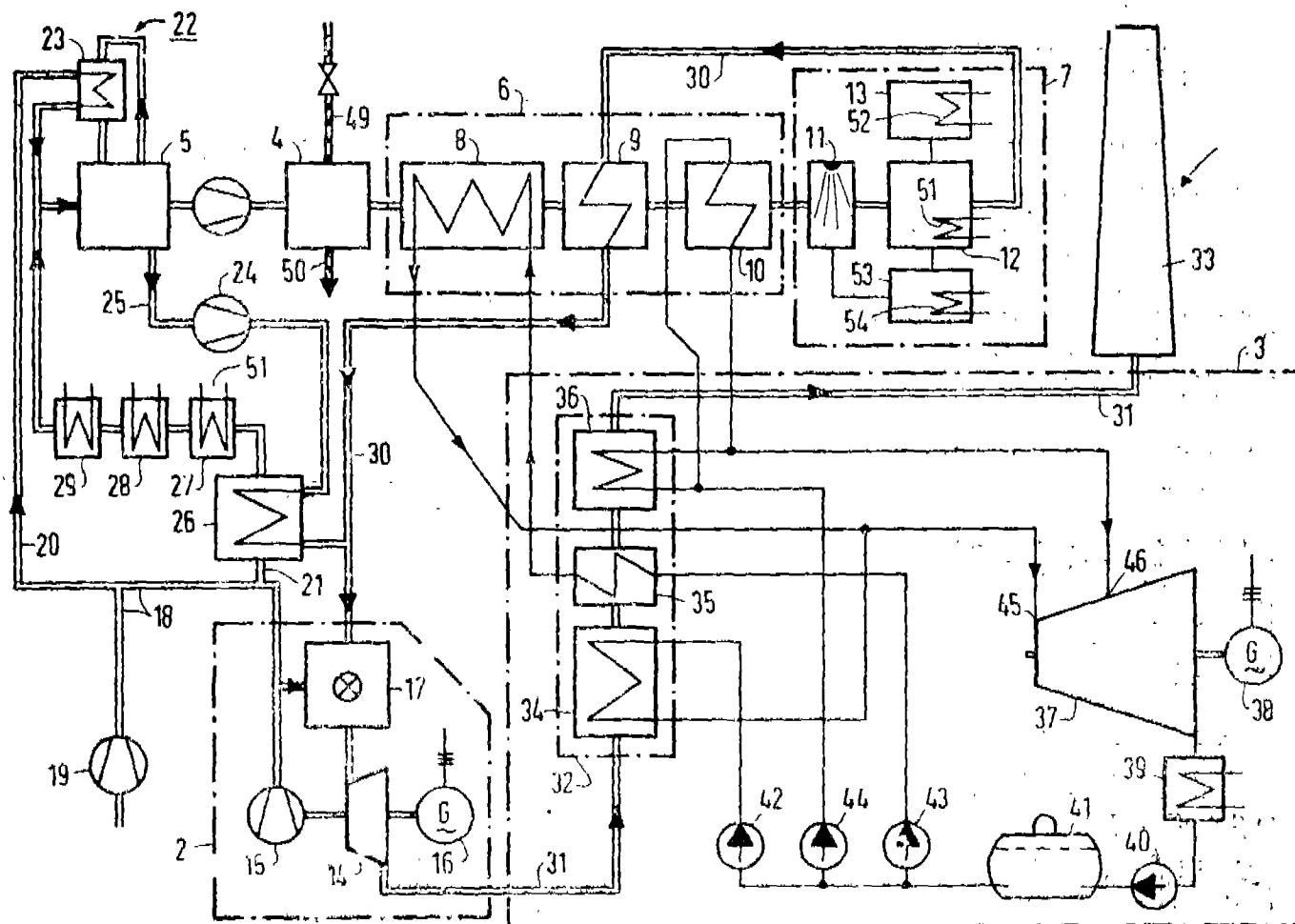
the air line (18) connecting the air compressors (15, 19) to the input of the air separation plant (5);

said air line (18) being divided into two parallel branches (20, 21), into one branch (20) of which there is connected a heat exchanger (23) connected into a regeneration cycle (22) of the air separation plant;

said regeneration cycle being a molecular filter regeneration circuit, and into the other branch (21) of which there is connected said nitrogen/air heat exchanger (26) connected to the nitrogen line (25) leading to the combustion chamber (17) of the gas turbine (14).

Compl. specn. 15 pages

Drg. 1 sheet



CLASS : 17-E, 83-A₄

166443

Int. Cl. : C 12 n 1/00.

A PROCESS FOR THE PRODUCTION OF NOVEL YEAST BY SITE SELECTIVE GENOMIC MODIFICATION OF YEAST OF THE GENUS PICHIA.

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventor : JAMES MICHAEL CREGG.

Application No. 731/Cal/86 filed October 8, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for the production of a novel yeast by site selective genomic modification of yeasts of the genus *Pichia* at a predetermined genomic site which comprises transforming a host strain of the genus *Pichia* with a serially arranged linear DNA fragment comprising :

- a first insertable DNA fragment,
- a selectable marker gene, and
- a second insertable DNA fragment;

wherein said first and second insertable DNA fragments are each at least about 200 nucleotides in length and have nucleotide sequences which are homologous with separate portions of the native *Pichia* genomic site at which genomic modification is to occur;

wherein said first and second insertable DNA fragments are oriented with respect to one another in said linear DNA fragment as they are so oriented in the genome of *Pichia*; and

wherein said marker gene is positioned between the first insertable DNA fragment and the second insertable DNA fragment.

Compl. specn. 33 pages

Drg. 17 pages

CLASS : 70-A & C

166444

Int. Cl. : C 25 c 1/18.

ELECTROLYTIC RECOVERY OF LEAD FROM SCRAP.

Applicant : PENN WALT CORPORATION, PENN WALT BUILDING, THREE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19102, UNITED STATES OF AMERICA.

Inventors : 1. ALFRED FRANK, 2. ASHLEY DWIGHT NEVERS, 3. WILLIAM JOSEPH.

Application No. 766/Cal/86 filed October 21, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the electrolytic recovery of scrap lead which comprises utilizing an aqueous C₁₋₄ alkanesulfonic acid as the electrolyte at a concentration of 15 to 70% based on the weight of the electrolyte, scrap lead as the anode and an electroconductive material such as herein described as the cathode, applying through the electrolyte solution between the scrap lead anode and the electroconductive cathode, a voltage of between 1 to 6 volts being of sufficient strength but not in excess of that required to keep the lead salt concentration in the electrolyte at a steady or even concentration ranging between 0.2 and 7.5% based on

the weight of the electrolyte salt solution, and continuing the electrolytic process to deplete the anode and recover lead at the cathode.

Compl. specn. 16 pages

Drg. 2 sheets

CLASS : 50-B & 50-D

166445

Int. Cl. : F 25 b 39/02.

METHOD FOR PRODUCING DOMESTIC REFRIGERATOR EVAPORATORS AND THE EVAPORATOR OBTAINED BY THE METHOD.

Applicant : I.R.E. INDUSTRIE RIUNITE EURODOMESTICI S.P.A., OF 21024 CASSINETTA DI BIANDRONNO (VARESE), ITALY.

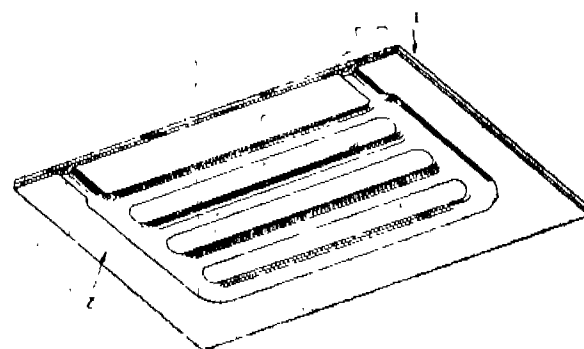
Inventor : ANGELO PUORRO.

Application No. 770/Cal/86 filed October 21, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method for producing evaporators for domestic refrigerator from metal plates by brazing, characterized in that two aluminium-based plates, at least one of which is provided with drawn portions, are joined together by interposing between them an aluminium/silicon alloy wire or the like shaped in any known manner such as by bending the resultant assembly being heated to melt the wire and diffuse the material within those zones of the two plates to be joined together.



Compl. Specn. 5 Pages

Drg. 1 sheet

CLASS :

166446

Int. Cl. : H 01 h 36/00.

ELECTROMAGNETIC SWITCHGEAR.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventor : KURT HELD.

Application No. 783/Cal/86 filed October 27, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Electromagnetic switchgear comprising :

- a housing;
- a movable contact carrier shiftably mounted to said housing via a back pressure spring;
- first circuit closing means including at least one first fixed contact mounted to said housing and at least

one first movable contact mounted to said carrier, said first movable contact being engageable with said first fixed contact to form an electrical connection therewith;

second circuit closing means including at least one second fixed contact mounted to said housing and at least one second movable contact mounted to said carrier, said second movable contact being engageable with said second fixed contact to form an electrical connection therewith;

an exciter coil fastened to said housing;

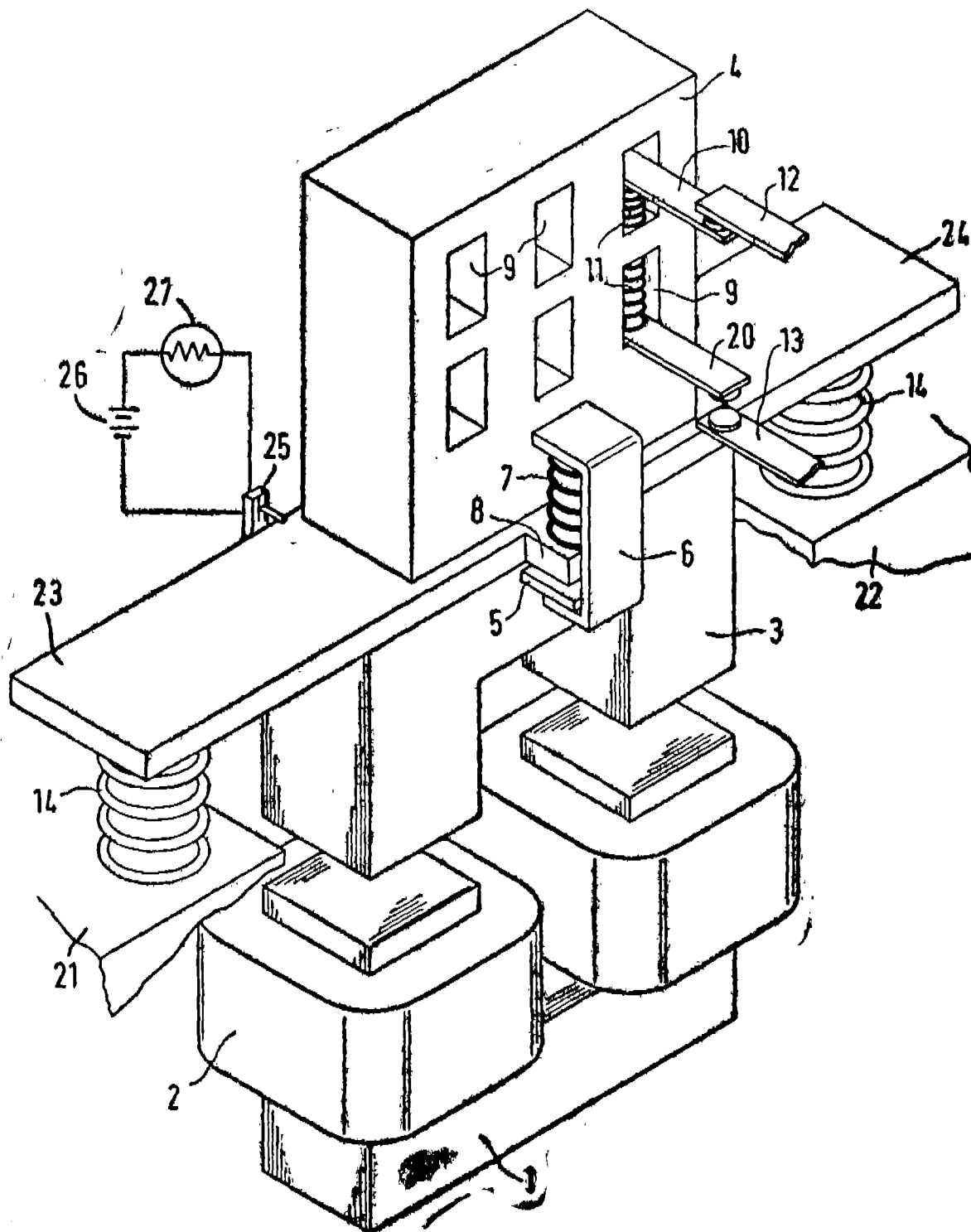
an armature movable mounted to said housing in substantial juxtaposition to said coil to cooperate therewith to break an engagement between said first fixed contact and said first movable contact and to subsequently form an engagement between said second fixed contact and said second movable contact upon a change in an energization state of said coil and to break an engagement between said second fixed contact and said second movable contact and to subsequently form an engagement between said first fixed contact and said first movable contact upon

a different change in an energization state of said coil; and

connection means for elastically coupling said carrier and said armature to one another to enable at least limited relative motion between said carrier and said armature so that the formation of engagement between members of one of said circuit closing means is prevented during a shifting of said armature upon a welding together of members of another of said circuit closing means, said connection means including a coupling spring disposed between said carrier and said armature, said coupling spring having a pretensioning force greater than a first total force required to form engagement between members of said first circuit closing means and greater than a second total force required to form engagement between members of said second circuit closing means, at least one of said first total force and said second total force including a force exerted by said back pressure spring.

Compl. specn. 13 pages

Drw. 1 sheet



CLASS : 55-E₂.

166447

Int. Cl. : A 61 k 9/50;

A 61 1 15/00.

METHOD FOR THE PREPARATION OF A STERILE COMPOSITION IN THE FORM OF MICRO CAPSULES.

Applicant : ETHICON, INC., U.S. ROUTE 22, SOMERVILLE, NEW JERSEY 08876, UNITED STATES OF AMERICA.

Inventors : 1. WARREN DOUGLAS SHEFFIELD, 2. DOUGLAS BRIAN JOHNS, 3. SHALABY WAHBAR SHALABY, 4. GERE STODDER DIZEREGA, 5. LEROY LEONARD RICHER.

Application No. 787/Cal/86 filed October 28, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A method for the preparation of a sterile composition in the form of micro capsules, for inhibiting post-surgical adhesion formation in mammals which comprises the steps of incorporating a non-steroidal anti-inflammatory drug in a pharmaceutically acceptable vehicle or carrier such as surfactant like polyoxyethylene-polyoxypropylene block copolymer or a sorbitan fatty acid ester-polyoxyethylene ether or an organic carrier such as a liquid, for example, a phospholipid micelle or vesicle, dextran more preferably polymers (especially p-dioxanone, lactide, and/or glycolide based absorbable polymers with or without a controlled release carrier dissolving said drug and the carrier, in a suitable volatile organic solvent, dispersing the solvent containing said drug and the carrier in water to form a dispersion, evaporating the organic solvent from the said dispersion and finally recovering the resulting microcapsule from the aqueous dispersion.

Compl. specn. 46 pages.

Drg. Nil

CLASS : 103.

166448

Int. Cl. : C 90 k 1/00.

A COMPOSITION FOR INHIBITING INORGANIC SALT SCALE FORMATION.

Applicant & Inventors : (1) SERGEI FEDOROVICH LJUSHIN, OF UFA, ULITSA FRUNZE, 9, KV. 38, USSR; (2) GAZIMA VALEEVNA GALEEVA, OF UFA, BULVAR IBRAGIMOVA, 49/1, KV. 12, USSR; (3) NINA MIKHAILOVNA DYATLOVA, OF 2 SAMOTECHNY PEREULOK, 4, KV.4, MOSCOW, USSR; (4) MARIANNA VASILIEVNA RUDOMINO, OF MALY AFANASIEVSKY PEREULOK, 5/15, KV. 7, MOSCOW, USSR; (5) EVENIA KONSTANT INOVNA KOLOVA, OF OTKRYTOE SHOSSE, 29, KORPUS 10, KV. 40, MOSCOW, USSR; (6) NIKOLAI KALLINIKOVICH MALININ, OF KOSINO-2, ULITSA KAMOVA, 25, MOSCOW, USSR; (7) ALEXANDR IVANOVICH LIPATOV, OF ULITSA PROFSOJUZNAYA 105, KV. 44, MOSCOW, USSR; (8) VALERY VASILIEVICH LEZHENIN, OF NOVOCHEBOXARSK, BULVAR GIDROSTROITELEI, 4, KV. 18, USSR; (9) GAUZZ KABDYROVICH AZHIGALIEV, OF NOVOCHEBOXARSK, ULITSA VINOKUROVA, A4, KV. 20, USSR; (10) ANATOLY GRIGORIEVICH SHKURO, OF NOVOCHEBOXARSK,

ULITSA VINOKUROVA, 7, KV. 23, USSR; (11) VLADIMIR IVANOVICH GUSEV, OF KAZAN, ULITSA UL'YANOVYKH, 57/2, KV. 20, USSR; (12) MUNIR NAFIKOVICH GALLYAMOV, OF UFA, ULITSA CHERNYSHEVSKOGO, 105, KV. 31, USSR.

Application No. 806/Cal/86 filed November 6, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A composition for inhibiting the formation of inorganic salt scale in the hole bottom zone of an oil reservoir and in the oil-production equipment during oil extraction, transportation and storage, consisting of the following components, percent by mass :

aminotrimethylphosphonic acid	23—32
methyliminodimethylphosphonic acid	3—15
phosphorus acid	1—55
urea	15—18
ethylene glycol	7—9
ammonium chloride	10—13
water	the balance

Compl. specn. 19 pages.

Drg. Nil

CLASS : 166449.

Int. Cl. G 05 F 1/00.

ELECTRIC CIRCUIT ARRANGEMENT FOR CONTROLLING AN A.C. VOLTAGE.

Applicant : AKTIEBOLAGETELECTROLUX, LUXBÄCKEN 1, S-105 45 STOCKHOLM—SWEDEN.

Inventor : 1. ALF BERTIL NILSSON.

Application No. 810/Cal '86 filed November 6, 1986.

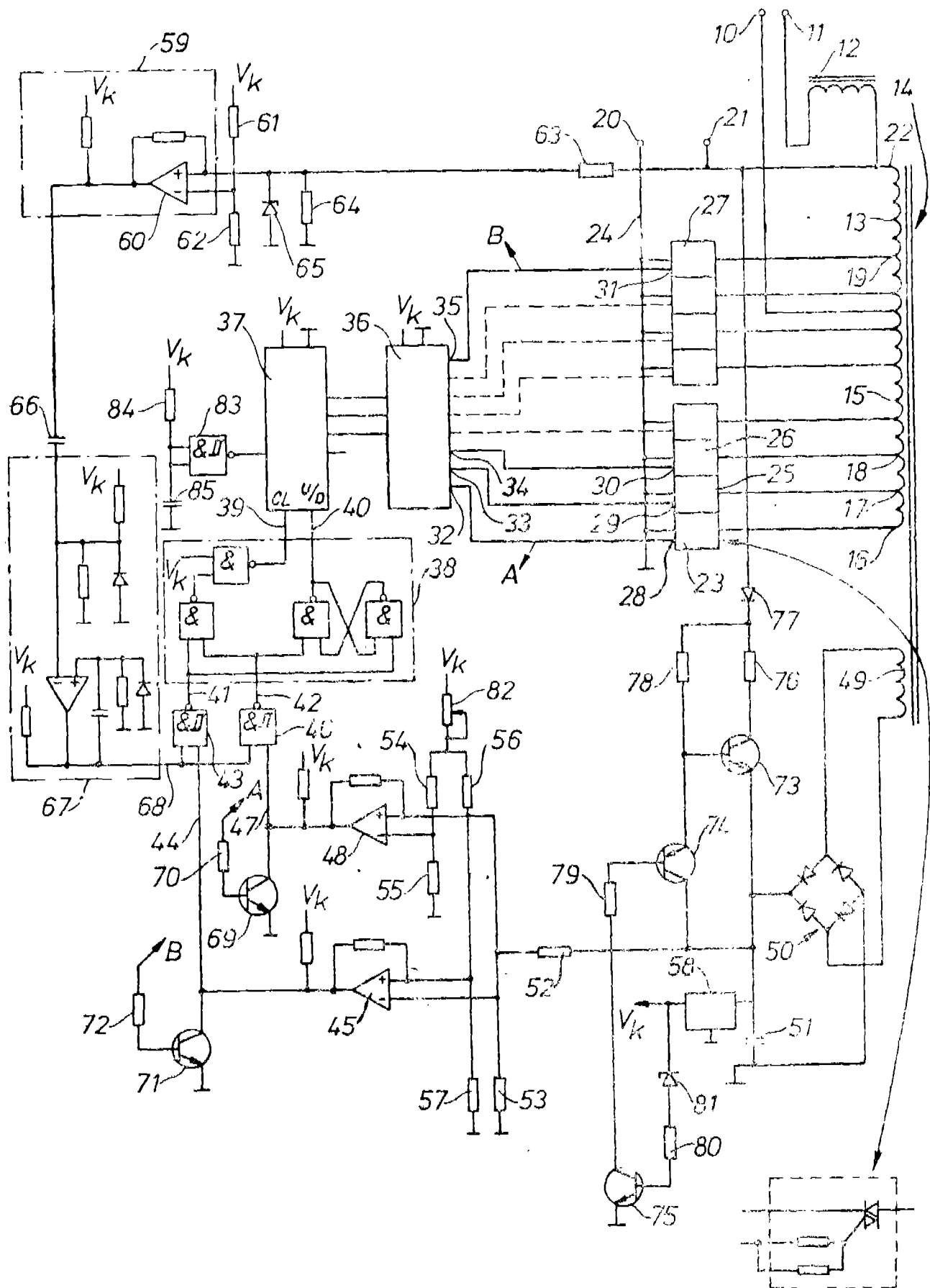
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Electric circuit arrangement for controlling an A.C. Voltage for supplying a load wherein the load is connected to the secondary winding of a transformer, the primary winding of the transformer has a number of taps which are selectively connectable to an external A. C. Voltage source, an electronic control device responsive to the magnitude of the terminal voltage of the external A. C. Voltage source for stepwise connecting the different taps automatically to thereby connect that tap which causes the voltage supplied to the load to be of a predetermined value, the electronic control device comprising controllable two-way electronic switches, the number of which corresponds to the number of the said taps, the improvement wherein the electronic control device further comprises means such as herein described connected to the electronic control device to control operation thereof.

Compl. specn. 11 pages.

Drg. 2 sheets



CLASS : 190-C.
Int. Cl. : F 01 d 5/00.

166450

3 Claims

A SAVONIUS ROTOR ASSEMBLY FOR INTERACTING WITH A FLUID.

Applicant & Inventor : ALVIN HENRY BENESH, OF 120 SOUTH ADAMS AVENUE, PIERRE, SOUTH DAKOTA 57501, UNITED STATES OF AMERICA.

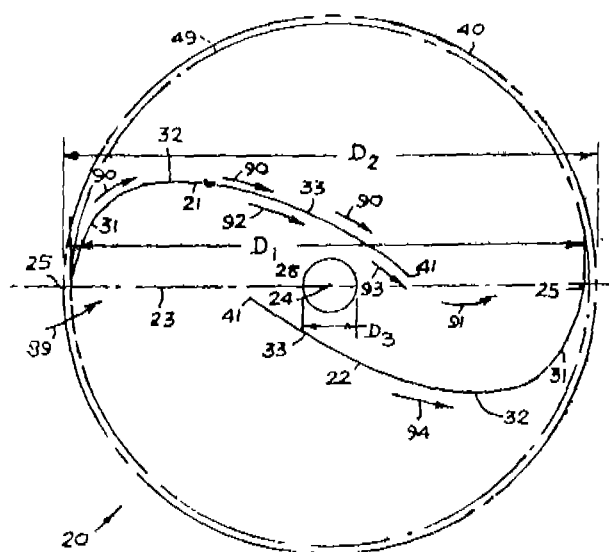
Application No. 830/Cal/86 filed November 14, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims

A savonius rotor assembly for interacting with a fluid, comprising :

- (a) a support structure;
- (b) a rotor mounted on the support structure for rotation about a central axis, the rotor having at least two blades; and
- (c) a deflector member extending substantially along the length of the rotor and beyond the ends of the rotor and positioned on a side of the rotor facing the direction from which the fluid is flowing, the deflector member having a first edge and a second edge, the first edge of the deflector member being positioned closest to the central axis and a distance away from a plane substantially parallel to the direction of the fluid flow and extending through the central axis of the rotor.



Compl. specn. 34 pages

Drg. 6 sheets

Ind. Cl. 175 F, 6 A 2
Int. Cl. 4 : F 25 B 31/00.

166451

"CONSTRUCTION FOR PLACEMENT OF GASKET IN REFRIGERATION COMPRESSOR".

Applicant : SANDEN CORPORATION, A JAPANESE COMPANY, OF 20 KOTOBUKI-CHO, ISESAKI-SHI, GUNMA 372, JAPAN.

Inventor(s) : KATSUMASA AZAMI, SHIGEMI SHIMIZU.

Application for Patent No. 160/Del/86 filed on 25th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

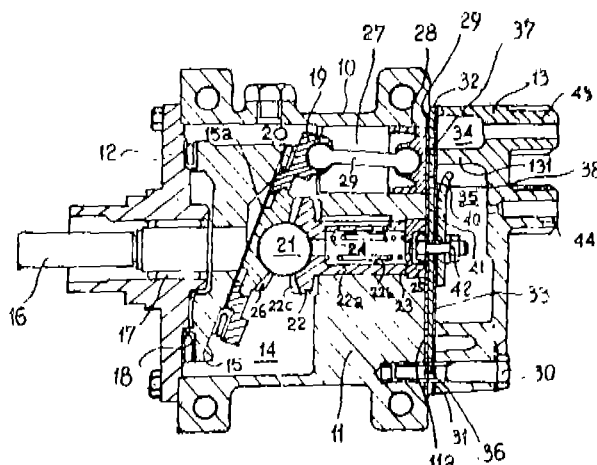
A refrigerant compressor comprising :

- a compressor housing (10) incorporating a cylinder block (11) having a plurality of equiangularly spaced cylinders (27) and a plurality of pistons (28) slidably and closely fitted into respective ones of the cylinders;
- a cylinder head (13) fixed to one end of the cylinder block (11) with an interposed valve plate (32) and gaskets (31, 33) disposed;
- a first gasket (31) disposed between the end face of said cylinder block (11) and said valve plate (32); and
- a second gasket (33) disposed between said valve plate (32) and said cylinder block to secure the sealing therebetween;

wherein a circular shaped depression (11a) formed on one end surface of said cylinder block to accommodate said first gasket to prevent expansion of said first gasket due to high pressure during compression;

said first gasket filling the entire volume of said circular shaped depression;

said valve plate and said cylinder head being disposed outside said circular shaped depression.



Compl. specn. 7 pages.

Drg. 2 sheets

Ind. Cl. : 32 F 3(2).

166452

Int. Cl. 4 : C 07 D 309/00.

A PROCESS FOR PREPARING CRYSTALLINE, ANHYDROUS SODIUM SALT OF 19-DEOXYAGLYCONE DIAMNEMYCIN.

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

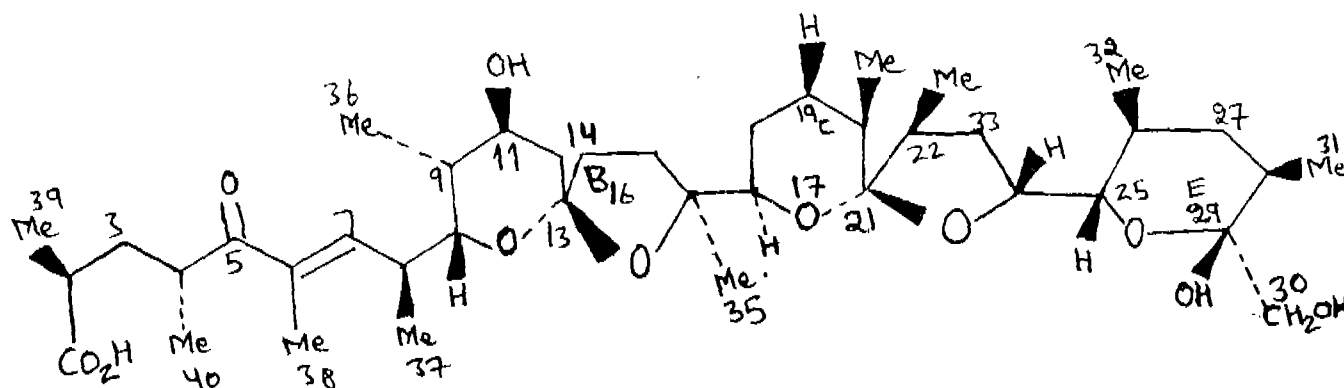
Inventor : BERNARD SHIELDS MOORE.

Application for Patent No. 174/Del/86 filed on 27th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A process for preparing the crystalline, anhydrous sodium salt of 19-deoxyaglycone dianemycin of the Formula I



shown in the accompanying drawings comprising the steps of (a) concentrating in a manner such as hereinbefore defined, a methylene chloride solution containing .05% water and the sodium salt of said compound of Formula I until crystallization commences;

(b) adding at least an equal volume of dry hexane containing .05% water to the result slurry; and (c) filtering and drying the solids.

Compl. specn. 7 pages.

Drg. 1 sheet

Ind. Cl. : 40 B.

166453

Int. Cl.⁴ : C 08 F 8/00.

"A LOW TEMPERATURE STABLE LIQUID COMPOSITION USED AS POLYMERISATION INHIBITOR".

Applicant : UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749, UNITED STATES OF AMERICA.

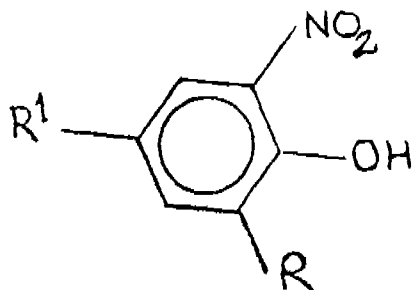
Inventors : ELMAR HARRY JANCIS, PAUL EDWIN STOTT.

Application for Patent No. 212/Del/86 filed on 7 March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

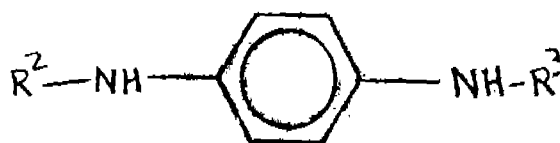
7 Claims

A low temperature stable inhibitor comprising liquid composition used as polymerisation a dinitrophenol of the formula I



Formula I

of the drawings wherein one of R and R¹ is nitro and the other is selected from the group consisting of hydrogen, chlorine and C₁-C₈ alkyl; (B) a phenylenediamine of the formula II



Formula II

of the drawings wherein R² and R³ are each independently selected from the group consisting of hydrogen, C₁-C₁₂ alkyl phenyl, and (c) an aromatic hydrocarbon solvent such as herein dissolved wherein ratio of dinitrophenol to phenylenediamine is between 1 : 9 and 9 : 1; and wherein the weight ratio of dinitrophenol plus phenylenediamine to said aromatic hydrocarbon solvent is at least 1 : 10.

Compl. specn. 14 pages .

Drg. 1 sheet

Ind. Cl. : 32 F₂ (b).

166454

32 F₂ (b) IX (1).

Int. Cl.⁴ : C 07 C 87/00.

A PROCESS FOR THE PRODUCTION OF 2, 2, 6, 6, TETRALKYL-4-PIPERIDYLAMINES.

Applicant : UNIROYAL CHEMICAL INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749 (USA).

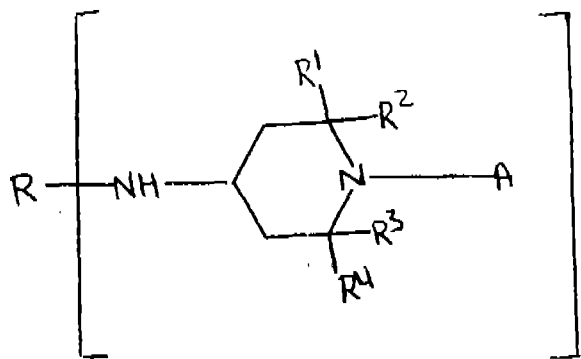
Inventors : RUSSEL EDWARD MALZ & HAROLD GREENFIELD.

Application for Patent No. 261/Del/86 filed on 20th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

14 Claims

A process for producing 2, 2, 6, 6, -tetraalkyl-4- piperidylamine compounds of the formula I of the drawings



Formula I

wherein :

R is C₁-C₁₈ alkyl, C₇-C₈ cycloalkyl or C₇-C₈ aralkyl;

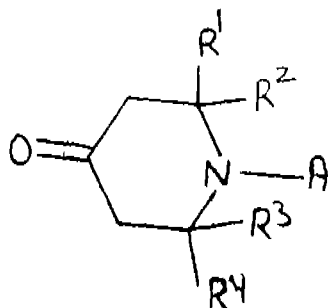
R¹, R², R³ and R⁴ are the same or different and are C₁-C₈ alkyl;

A is hydrogen, hydroxy, C₁-C₈ alkoxy, C₁-C₈ alkyl, C₂-C₁₀ alkylcarbonyl or arylcarbonyl; and

n is 1, 2, 3, or 4;

with the proviso that when n is 2, 3 or 4, the R¹, R², R³, R⁴ and A substituents of the piperidine rings may each independently be different members within the scope of their definitions;

which process comprises reacting an amine of the formula R (NH₂)_n wherein R and n are as defined above, with at least one 2, 2, 6, 6, -tetraalkyl-4-piperidone of the formula II of the drawings :



Formula II

wherein A, R¹, R², R³ and R⁴ are as defined above;

in the presence of a palladium catalyst employing a reaction medium selected from water, C₁-C₁₀ aliphatic alcohols, C₂-C₆ aliphatic glycols and mixtures thereof.

Compl. specn. 14 pages.

Drg. 1 sheet

Ind. Cl. : 194 C₁.

166455

Int. Cl.⁴ : H 04 N 5/00.

"METHOD AND DEVICE FOR ILLUMINATING THE FACE PLATE OF A COLOR TELEVISION TUBE FOR FORMATION OF THE SCREEN".

Applicant : VIDEOCOLOR, OF 7 BOULEVARD ROMAIN ROLLAND, 92128 MONTROUGE, FRANCE, A FRENCH COMPANY.

Inventor : RIERLUIGI TESTA.

Application for Patent No. 472/Del/86 filed on 28th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

Device (12) for illuminating photosensitive light hardenable material forming the screen of a perforated mask type color cathode ray tube, said device (12) comprising :

a luminous source (16) emitting a pencil of light;

a light modulator (23) located adjacent said source through which the light beam penetrates;

said light modulator (23) being electrically connected to a computer (27) which controls the modulator so that the luminous intensity received by each part of the screen is substantially constant; and

a deflector (29) located between the light modulator and the screen of the cathode ray tube for deviating the light beam so that it scans the screen through the perforated mask.

Compl. specn. 13 pages.

Drg. 1 sheet

Ind. Cl. : 155 A.

166456

Int. Cl.⁴ : D 06 M 11/00.

"FLUID COATING AND WEB-HANDLING APPARATUS FOR NON-WOVEN AND OTHER LOW WEB TENSION-TOLERANT MATERIALS AND/OR IRREGULAR SURFACE THICKNESS WEBS AND THE LIKE".

Applicant : ACUMETER LABORATORIES, INC., A MASSACHUSETTS CORPORATION, OF 34 SIMORANO DRIVE, MARLBOROUGH, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : FREDERIC SEXTON McINTYRE.

Application for Patent No. 481/Del/86 filed on 2nd June, 1986.

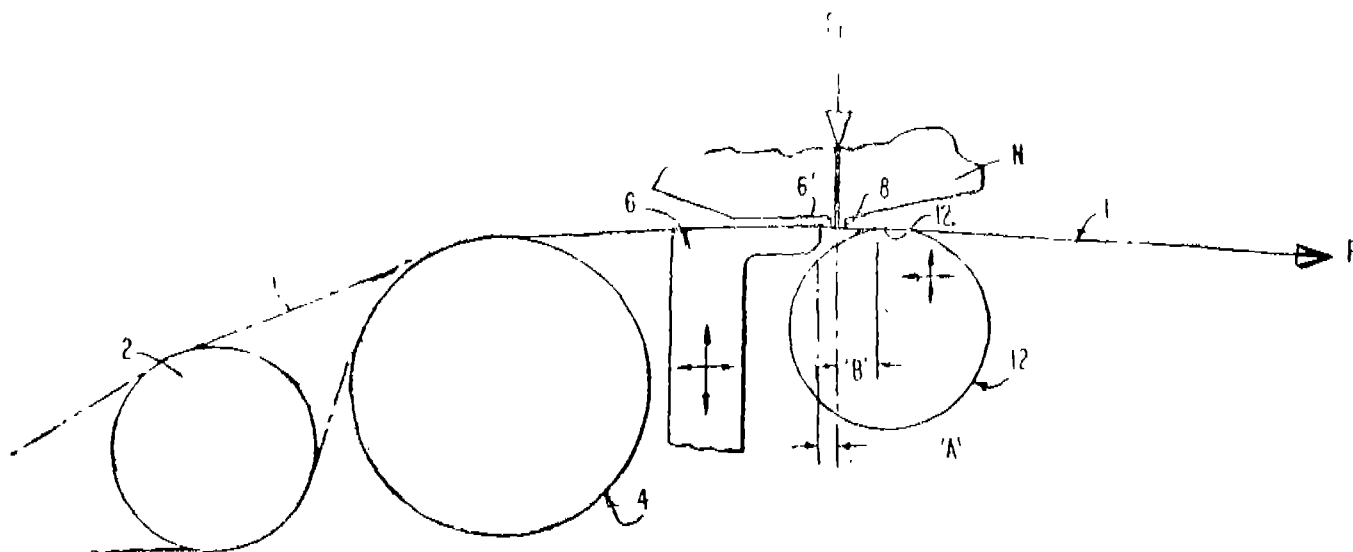
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

Fluid coating and web (1) handling apparatus for non-woven and other low-tension web materials including materials of uneven thickness and that transversely distort and longitudinally crease if drawn with high web tension, said apparatus having, in combination, a coating fluid nozzle applicator provided with an aperture for ejecting fluid upon a web drawn along a longitudinal path past the aperture, the web being driven along said path towards and past the nozzle aperture (8); an entrance web-supporting surface (1) substantially coplanar with said path and said nozzle aperture (8) or slightly above the same and extending to a point just prior to the nozzle aperture and over which surface the web is drawn toward said nozzle aperture; an existing web-support surface (6) over which the web is drawn after passing the nozzle aperture; and means such as a planar adjustable web-supporting platen, surface (6) for adjusting the unsupporting distances between said point and said nozzle aperture and said nozzle aperture and said existing web-support surface to minimize the moment of web deflection that would otherwise be caused by the force of fluid ejection application from the nozzle

aperture upon the web to compensate for the speed variation and provide substantially the same coating weight of fluid

application to the web substantially irrespective of web speed and web thickness variation or irregularities.



Compl. specn. 14 pages.

Drgs. 2 sheets

Int. Cl. C07C 87/58.

CLASS₄: 32 F2 (a)

166457

PROCESS FOR MAKING N-MONOSUBSTITUTED P-PHENYLENEDIAMINES.

Applicant: UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEAD-QUARTERS, MIDDLEBURY, CONNECTICUT 06749, UNITED STATES OF AMERICA.

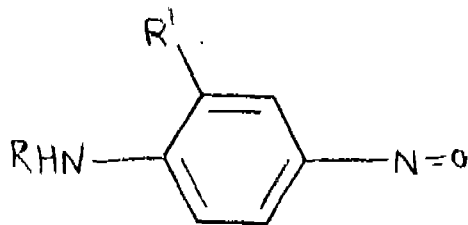
Inventor: WADIM BATOREWICZ.

Application for Patent No. 495/Del/86 filed on 04th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

A process for preparing an N-mono-substituted P-phenylenediamine which comprises reacting a compound having the formula I



Formula I

of the drawings where R is C-C₁₂ alkyl, phenyl, naphthyl, or phenyl substituted in the 2-, 4-, or 2, 4-positions by C₁-C₈ alkyl; and R' is hydrogen or C₁-C₈ alkyl with an alcohol as herein described in the presence of a base as herein described and in the absence of hydrogen and noble metal catalyst as herein described at a temperature of from 50°C to 200°C.

Compl. specn. 13 pages

Drg. 11 sheets

CLASS₄: 177F

166458

Int. Cl.: F22B 11/00.

A FOSSIL-FUEL-FIRED VAPOUR PRODUCER.

Applicant: SULZER BROTHERS LIMITED, A SWISS COMPANY, OF CH-8401 WINTERLHUR, SWITZERLAND.

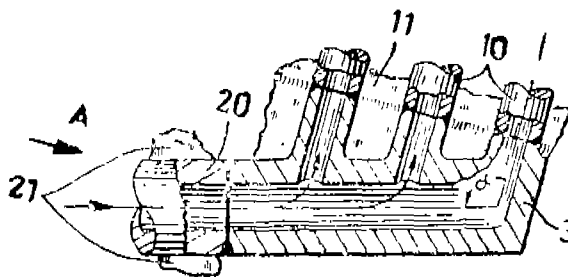
Inventor: ABDULLA SALEM.

Application for Patent No. 549/DEL/86 Filed on 24th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 Claims

A fossil fuel fired vapour producer comprising a vertical gas flue (1) made up of vertical flue/bank tubes (10) welded together in a gas tight manner, a funnel (2) made up of funnel (20) tubes welded together in gas tight manner, said funnel being sealingly connected to said flue at the bottom end thereof, said flue tubes (10) and funnel tubes (20) inter-communication through a working medium, said flue tubes extend vertically characterised in that said funnel tubes extend helically.



Compl. specn. 10 pages

Drg. 2 sheets

CLASS₄ : 104F

166459

Int. Cl. : C08L 7/00.

RUBBER COMPOSITION HAVING IMPROVED HUMID AGED ADHESIVE PROPERTIES.

Applicant : GENCORP INC., ORGANISED UNDER THE LAWS OF STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE GENERAL STREET, AKRON, OHIO 44329 UNITED STATES OF AMERICA.

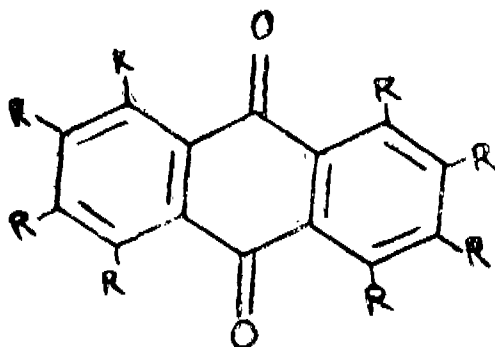
Inventor : SATISH CHANDER SHARMA.

Application for Patent No. 555/DEL/86 filed on 25th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

3 Claims

A rubber composition having improved humid aged adhesive properties comprising a rubber as herein described and 0.2 to 1.5 parts by weight per 100 parts by weight of the rubber of anthraquinone compound of the formula I



Formula I

of the drawings wherein two of the R's are hydroxyl radicals and the remaining R's are selected from the group consisting of -H, -OH, -CH₃, -NO₂, -CH₂OH and -COOH, at least four of the remaining R's being -H.

Compl. specn. 16 pages

Drg 1 sheet

CLASS₃ : 148K

166460

Int. Cl. : G03C 5/00.

A PROCESS OF MANUFACTURING ESSENTIALLY NON-YELLOWING COLOR PRINT MATERIAL.

Applicant : MORTON THIOKOL, INC., OF 110 NORTH WACKER DRIVE CHICAGO, ILLINOIS 60606, U.S.A. A CORPORATION OF STATE OF DELAWARE, U.S.A.

Inventor : STUART MONROE ELLERSTEIN & SANDI LEE.

Application for Patent No. 567/Del/86 Filed on 30th June, 1986. Divided from Application No. 637/Del/83 Filed on 14th September, 1983.

Ante dated to 14th September 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

4 Claims

A process of manufacturing essentially non-yellowing color print material said process comprises :

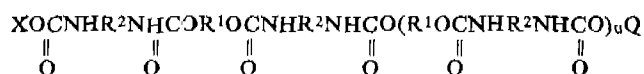
Step (1) projecting the image of a color print negative upon the surface of a color print material, and thereby exposing the color print material;

Step (2) immersing the exposed color print material in a developer solution such as herein described for a time sufficient to react the dyes and pigments in the color print material;

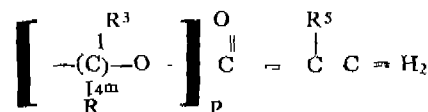
Step (3) immersing the exposed and reacted color print material in a fixer solution such as herein described for a time sufficient to halt further reaction of the dyes and pigments in the color print material;

Step (4) immersing the fixed color print material in an aqueous rinsing solution for a time sufficient to remove substantially all of the developer and fixer solutions from said color print material;

Step (5) drying said color print material, characterised in that said color print material is made of a plastic film coated on it a polymeric composition comprising from 45 to 90 weight percent, based upon total composition weight, of an oligomer of the formula I of the drawings



wherein R¹ and R² are independently linear, branched, or cyclic saturated alkylene radicals of from six to twenty carbon atoms, m is zero to three, Q and X are independently either (a) a radical of the Formula IIIA



of the drawings where R³, and R⁴ and R⁵ are independently selected from the group consisting of hydrogen, methyl, ethyl, or propyl, m is an integer of from 1 to 10, and p is zero or one, or (b) a saturated alkyl radical of from nine to twenty carbon atoms, with the proviso that said oligomer must possess at least one acrylate or methacrylate group :

(i) from 9 to 50 weight percent, based upon total composition weight, of a reactive diluent selected from the group comprising lauryl acrylate, lauryl methacrylate, stearyl acrylate, stearyl methacrylate, ethylhexylacrylate, isodecyl acrylate, and mixtures thereof; and

(ii) from 0.5 to 5 weight percent, based upon the total composition weight, of a photoinitiator selected from the group consisting of 2-hydroxycyclohexylphenone, 2-hydroxy-2-methyl-1-phenyl-propan-1-one, and the said aqueous rinse used in step (4) includes alkanol such as herein described.

Compl. specn. 35 pages.

Drgs. 3 sheets

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161479. Avro Sales Private Limited, of 11th Floor, Surya Kiran, 19-Kasturba Gandhi Marg, New Delhi-110001, India. An Indian Company "Uninterruptible Power Supplies". 3rd October, 1989.

Class 1. No. 161485. Ashok Kumar Chugh (S/o Shri Jeevan Dass Chugh), C-2/399 Janakpuri Delhi (India) an Indian National, "Water Tap" 5th October, 1989.

Class 1. No. 161519. Tarun Sanon, D-867-New Friends Colony, New Delhi-110065, India. An Indian National. "Laminating Machine". 12th October, 1989.

Class 1. No. 161567. M/s. Light Metal Works, of New Sun Mill Compound, Lower Parel, Bombay-400 013, Maharashtra, India. Indian Partnership Firm. "Mould". 25th October, 1989.

Class 1. No. 161572. Sanjay Gakhar, 14B/51, Dev Nagar, New Delhi-110005, Indian. "Water Level Monitor". 2nd November, 1989.

Class 1. No. 161589. Subhas Guba Roy, an Indian and being Proprietor trading as B. M. Enterprise, an Indian Proprietorship firm of 222 Upen-Banerjee Road, Calcutta-700 001 West Bengal, India. "Metal Profiles". 10th November, 1989.

Class 1. No. 161709. Larson and Toubro Limited of L & T House, Ballard Estate, Bombay-400038, Maharashtra, India, an Indian Company. "an Electric Switch". 15th December, 1989.

Class 1. No. 161784. Mahabir Prasad Sharma, an Indian and being Proprietor, trading as Asian Engineering Industries, an Indian Proprietorship firm of 38, Netaji Subhas Road, Calcutta-700 001, West Bengal, India. "Chain Pulley Block". 12th February, 1990.

Class 3. No. 161529. Proizvodstvennoe Obiedinenie "ALFA" a company organised under the laws of U.S.S.R. of IM-N1 60 Latya SSSR 226050 RIGA, U.S.S.R. an "Electromagnetic Therapy Apparatus". 13th October, 1989.

Class 3. No. 161662. Prestige Housewares (India) Limited, of 78 Old Madras Road, Dooravaninagar, Bangalore-560016, State of Karnataka, India, an Indian Company. "a Pressure Pan Handle", 1st December, 1989.

Class 3. No. 161707. Larsen and Toubro Limited, of L & T House, Ballard Estate, Bombay-400038, Maharashtra, India, an Indian Company, an "Electric Switch", 15th December, 1989.

Class 3. No. 161738. Richie Rich Products, A-18, Ram House, Middle Circle Connaught Place, New Delhi-110001, India, an Indian sole Proprietorship concern. "Toy Rabbit". 26th December, 1989.

Class 3. Nos. 161739 to 161740. Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India, an Indian sole Proprietorship concern. "Toy Dog". 26th December, 1989.

Class 3. No. 161741. Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India, an Indian sole Proprietorship concern. "Toy Elephant", 26th December, 1989.

Class 3. No. 161743. Malmoking, 13/24, East Patel Nagar, New Delhi-110008, India, an Indian Partnership concern. "Turkish Beuty Dinner Plate", 26th December, 1989.

Class 3. Nos. 161765 & 161766. Wimco Pen Company, 11, Mehta Industrial Estate, 1st floor, I. B. Patel Road, Goregaon (East), Bombay-63, Maharashtra, India, an Indian Partnership firm. "Thermos". 5th February, 1990.

Class 3. No. 161774. Sreedharan Nair Sasikumar, of Anitha Sadanam, Theertha Padapuram PO, Vazhoor, Kottayam, Kerala-686 505, India, an Indian National. "a Rainguard". 9th January, 1990.

Class 3. No. 161781. The Gillette Company, a Delaware Corporation of Prudential Tower Building, Boston, State of Massachusetts 02199, United States of America. a "Razor Handle". 10th January, 1990.

Class 3. Nos. 161785 & 786. Reckitt & Colman of India Limited, 41 Chowringhee Road, Calcutta-700071, West Bengal, India, an Indian Company. "Bottle". 12th January, 1990.

Class 3. No. 161812. Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India and Indian Sole Proprietorship concern. "Toy", 22nd January, 1990.

Class 3. No. 161795. Munch Food Products Private Limited a Company incorporated under the Indian Companies (Act), whose address is D-992, New Friends Colony, New Delhi-110065, India, "a Packet". 15th January, 1990.

Class 12. No. 161811. Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India and Indian Sole Proprietorship concern. "TOY", 22nd January, 1990.

Copyright Extended for the Second Period of five years.

No. 153199.	Class-1.
Nos. 161343, 155792, 155786, 155791, 156106, 156971,	
157736, 157737, 157776, 159227, 159228, 159229, 159230,	
155107.	Class-3.

Copyright Extended for the Third Period of five years.

No. 149243.	Class-1.
Nos. 148883, 161343.	Class-3.

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